

CLAIM

1. (Amend d) A Cr-based alloy having an excellent strength-ductility balance at higher temperatures, comprising Cr: exceeding 60 mass%, C+N: not more than 20 mass ppm, S: not more than 20 mass ppm, O: not more than 100 mass ppm, O as an oxide: not more than 50 mass ppm, and the remainder being Fe and inevitable impurities.

2. (Added) A Cr-based alloy having an excellent strength-ductility balance at higher temperature, comprising Cr: not less than 65 mass%, C+N: not more than 20 mass ppm, S: not more than 20 mass ppm, O not more than 100 mass ppm, O as an oxide: not more than 50 mass ppm, and the remainder being Fe and inevitable impurities.

3. (Added) A Cr-based alloy according to claims 1 and 2, having a strength-ductility balance of $RA \times TS \geq 10000$ (%·MPa) at higher than 1000 °C.

4. (Added) A Cr-based alloy described in claims 1 and 2, having strength-ductility balance of $RA \times TS \geq 10000$ (%·MPa) at 1050°C~1200°C.

sb7
A17
Add
P2
35

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